Product datasheet

Anti-HADHB antibody ab230667

Overview

Product name: Anti-HADHB antibody
Description: Rabbit polyclonal to HADHB
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-P, ICC/IF
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Recombinant fragment corresponding to Human HADHB. Database link: P55084


General notes: The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As.

Properties

Form: Liquid
Storage buffer: pH: 7.30
Preservative: 0.02% Sodium azide
Constituent: PBS
Purity: Affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications
The Abpromise guarantee

Our Abpromise guarantee covers the use of ab230667 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/50 - 1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>1/10 - 1/100.</td>
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Target

Pathway
Lipid metabolism; fatty acid beta-oxidation.

Involvement in disease
Defects in HADHB are a cause of trifunctional protein deficiency (TFP deficiency) [MIM:609015]. The clinical manifestations are very variable and include hypoglycemia, cardiomyopathy and sudden death. Phenotypes with mainly hepatic and neuromyopathic involvement can also be distinguished. Biochemically, TFP deficiency is defined by the loss of all three enzyme activities of the TFP complex.

Sequence similarities
Belongs to the thiolase family.

Cellular localization
Mitochondrion.

Images

All lanes: Anti-HADHB antibody (ab230667) at 1/500 dilution

Lane 1: BT-474 (Human ductal breast epithelial tumor cell line) cell extracts
Lane 2: SW480 (Human colorectal adenocarcinoma cell line) cell extracts
Lane 3: HepG2 (Human liver hepatocellular carcinoma cell line) cell extracts
Lane 4: HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell extracts
Lane 5: Jurkat (Human T cell leukemia cell line from peripheral blood) cell extracts
Lane 6: Mouse liver extracts
Lane 7: Mouse kidney extracts
Lane 8: Mouse heart extracts
Lane 9: Rat liver extracts

Developed using the ECL technique.
Predicted band size: 51 kDa

A549 (Human lung carcinoma cell line) cells stained for HADHB using ab230667 at a dilution of 1/10 in ICC/IF.

Formalin-fixed, paraffin-embedded human liver tissue stained for HADHB with ab230667 at a 1/50 dilution in immunohistochemical analysis.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HADHB antibody
(ab230667)

Formalin-fixed, paraffin-embedded human heart tissue stained for HADHB with ab230667 at a 1/50 dilution in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human pancreas tissue stained for HADHB with ab230667 at a 1/50 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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